

Instructions – WB5GT Water Boiler

Important Safeguards/Conventions

This appliance is designed for commercial use. Any servicing other than cleaning and maintenance should be performed by an authorized Wilbur Curtis service center.

- Do NOT immerse the unit in water or any other liquid
- Never clean with scouring powders, bleach or harsh implements.

Conventions:



WARNINGS – To help avoid personal injury



Important Notes/Cautions



Sanitation Requirements

Curtis WB5GT Units are Factory Pre-Set and Ready to Go... Right out of the Carton. Generally there will never be a reason to change factory settings, however adjustment instructions are provided later in this manual.

System Requirements:

- Water Source 20 – 100 PSI (Minimum Flow Rate of 1 GPM)
- Water pipe connections and fixtures directly connected to a potable water supply shall be sized, installed and maintained in accordance with federal, state, and local codes.

SETUP STEPS

1. Place unit at counter height, on a firm, level base, in such a way that it can be connected to water and power supply.
2. Connect water line to inlet fitting on valve. It is recommended that some type of water mineral reducing filter be used in the water line before entering the unit. Water pressure entering boiler is must be stable and provide minimum of 1 gallon per minute. Use water regulator for constant pressure. Required water pressures, 20 to 100 psi. Turn on water valve.
3. Hook-up power to the unit (refer to schematic for power requirements).
4. Turn on electrical power to unit. The water inlet valve will open and start filling the unit. When the water level in the tank rises to the correct volume, the heating elements will energize automatically.
5. Heating tank will require 60 to 70 minutes to attain operating temperature. READY indicator on control panel will light at this time.



CAUTION: Please use this setup procedure before attempting to use this brewer. Failure to follow the instructions can result in injury or the voiding of the warranty.



CAUTION: DO NOT connect this unit to hot water. The inlet valve is not rated for hot water.



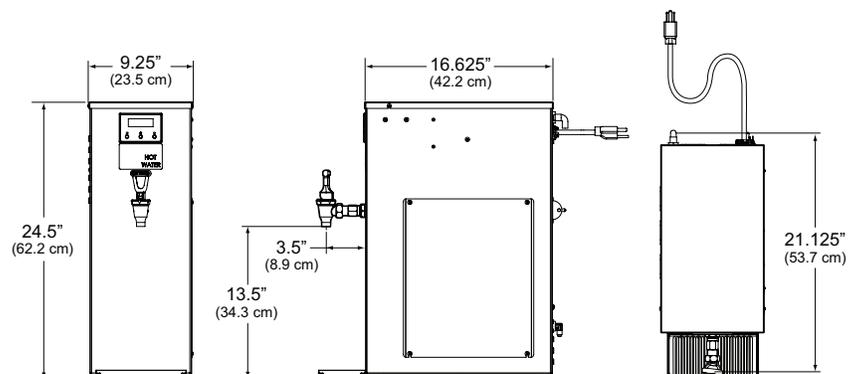
WARNING HOT LIQUID, Scalding may occur. Avoid splashing.



NSF International requires the following water connection:

1. A quick disconnect or additional coiled tubing (at least 2x the depth of the unit) so that the machine can be moved for cleaning underneath.
2. This equipment is to be installed with adequate backflow protection to comply with applicable federal, state and local codes..
3. Water pipe connections and fixtures directly connected to a potable water supply shall be sized, installed and maintained in accordance with federal, state, and local codes.

WB5GT Rough-In Drawing



WILBUR CURTIS COMPANY
Montebello, CA 90640

PROGRAMMING THE UNIVERSAL CONTROL MODULE (UCM)

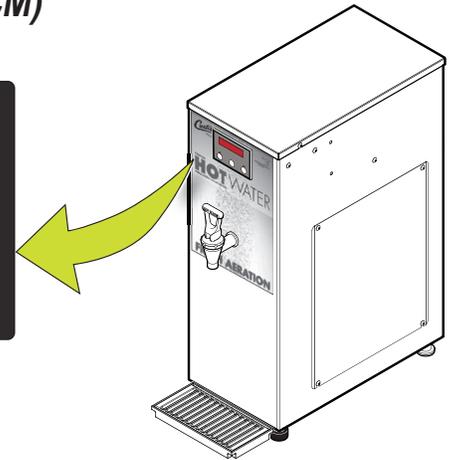
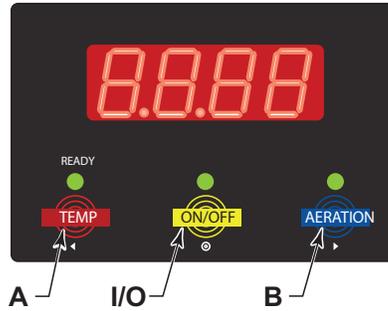
A FUNCTION

1. Press for **1 second** to check current tank temperature.
2. Press for **3 seconds** to enter heating tank programming mode. The temperature in the heating tank is adjustable from 140° to 210° F.

To change temperature setting:

- a. Press  to increase at 2° increments.
- b. Press  to decrease temperature.
- c. Press  to set and exit programming.

3. Hold for **8 seconds** to change temperature units between degrees Fahrenheit (°F) to degrees Celsius (°C).



B FUNCTION

1. Press the AERATION button to pump air through the water in the heating tank.
2. Aerator pump will run as long as you hold down the button. Release button to stop.

I/O FUNCTION

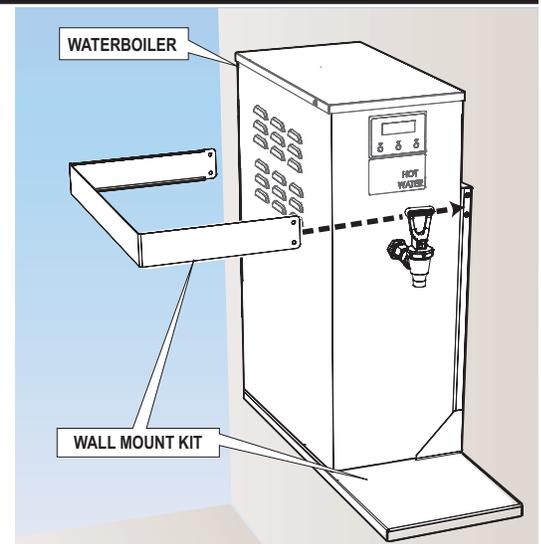
1. ON/OFF button. Press once to activate control panel.

OTHER FEATURES

1. When not in programming mode, UCM will stay on and display temperature setpoint. The factory setting is 204°F.
2. Aerator will automatically come on every 30 minutes. Aeration is factory set to run for 5 seconds.
3. Error Codes: ERR 1 = Overflow. Water level error. ERR2 = Open sensor. Break in temperature thermistor circuit.

WALL MOUNT OPTION

This wall mount kit allows you to place your Curtis water boiler, model WB5GT, against a wall surface. The water boiler may be mounted with the faucet facing in either direction. The kit requires some assembly. To order the kit request Curtis part number WC-37347.



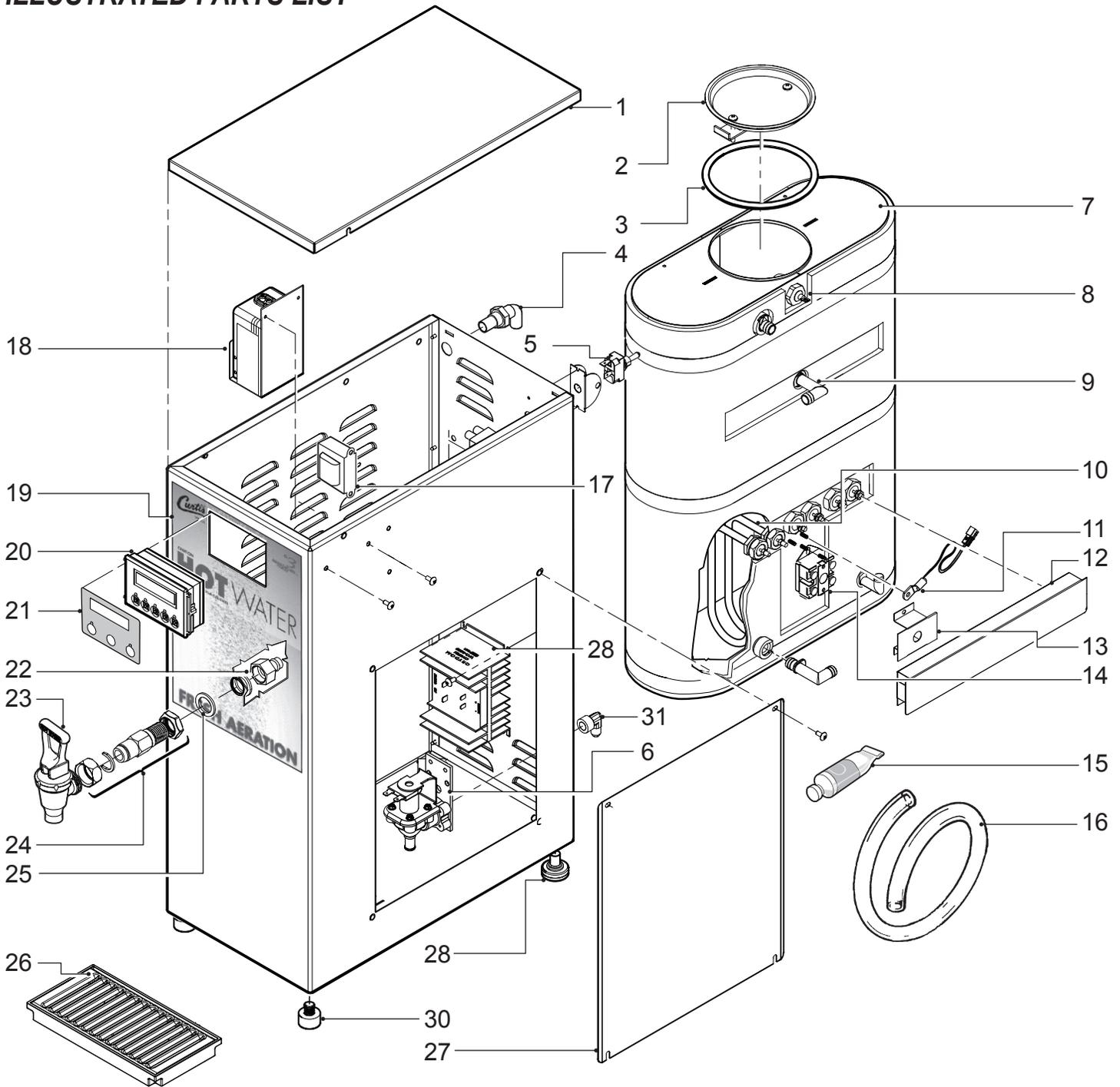
PARTS LIST

| ITEM | PART N° | DESCRIPTION |
|------|-----------|--|
| 1 | WC-58117 | TOP COVER |
| 2 | WC-5661 | LID ASSY, TANK |
| 3 | WC-43067* | O' RING, 4-1/2 I.D. x Ø.285 SILICONE |
| 4 | WC-2948 | FITTING, TANK OVERFLOW NICKEL PLATED |
| 5 | WC- 102* | SWITCH, TOGGLE NON-LIT SPST 25A 125/250VAC |
| 6 | WC-826L* | VALVE, INLET 1.15GPM 120VAC 10W |
| 7 | WC-62045 | TANK, COMPLETE WB5GT63 |
| 7A | WC-62044 | TANK, COMPLETE WB5GT19 |
| 8 | WC-5521* | PROBE, ASSY LIQUID LEVEL ULTEM |

| ITEM | PART N° | DESCRIPTION |
|------|--------------|--|
| 9 | WC-29047 | ELBOW, OVERFLOW PLASTIC ULTEM (8mm) |
| 10 | WC- 934-04* | HEATING ELEMENT, 220V 2500W |
| 11 | WC-1438-101* | SENSOR, TEMPERATURE TANK |
| 12 | WC-4382* | GUARD, SHOCK HTNG ELMNT DOUBLE |
| 13 | WC-43055 | GUARD, SHOCK RESET THERMOSTAT |
| 14 | WC- 522* | THERMOSTAT, HI LIMIT HTR CNTRL DPST 277V 40A |
| 15 | WC-5231* | COMPOUND, SILICONE 5 oz |
| 16 | WC-5310* | TUBING, 5/16" ID X 1/8" W SILICONE |
| 17 | WC- 718* | TRANSFORMER, 120VAC-12VAC |

* SUGGESTED PARTS TO STOCK

ILLUSTRATED PARTS LIST



PARTS LIST

| ITEM | PART N° | DESCRIPTION |
|------|--------------|--------------------------------|
| 17A | WC-719* | TRANSFORMER, 240/120VAC-12VAC |
| 18 | WC-1048-101* | PUMP, ASSY AGITATION WB5GT |
| 19 | WC-39610 | LABEL, FRONT OUTER |
| 20 | WC-794* | CONTROL MODULE, 120V MINI WB |
| 21 | WC-39602 | LABEL, MUCM CONTROL PANEL |
| 22 | WC-29082 | FITTING, 1/2"-14 NPSF ASSEMBLY |
| 23 | WC-1866HW* | FAUCET, LOCKING HOT WATER |
| 24 | WC-1902 | SHANK, FAUCET PLAIN W/NUTS |

| ITEM | PART N° | DESCRIPTION |
|------|----------|---|
| 25 | WC-1813 | WASHER, 1 1/8" O.D. |
| 26 | DTP-08 | DRIP TRAY ASSEMBLY |
| 27 | WC-61549 | COVER, SIDE ACCESS |
| 28 | WC-3518* | LEG, GLIDE 3/8"-16 STUD SCREW |
| 29 | WC-8559* | RELAY, SOLID STATE W/INTEGRATED HT SINK |
| 30 | WC-3503* | LEG, 3/8"-16 STUD SCREW BUMPER |
| 31 | WC-2401 | ELBOW, 3/8 NPT x 1/4 FLARE PLTD |

Product Warranty Information

The Wilbur Curtis Company certifies that its products are free from defects in material and workmanship under normal use. The following limited warranties and conditions apply:

3 Years, Parts and Labor, from Original Date of Purchase on digital control boards.

2 Years, Parts, from Original Date of Purchase on all other electrical components, fittings and tubing.

1 Year, Labor, from Original Date of Purchase on all electrical components, fittings and tubing.

Additionally, the Wilbur Curtis Company warrants its Grinding Burrs for Forty (40) months from date of purchase or 40,000 pounds of coffee, whichever comes first. Stainless Steel components are warranted for two (2) years from date of purchase against leaking or pitting and replacement parts are warranted for ninety (90) days from date of purchase or for the remainder of the limited warranty period in which the component is installed.

All in-warranty service calls must have prior authorization. For Authorization, call the Technical Support Department at 1-800-995-0417. Effective date of this policy is April 1, 2003.

Additional conditions may apply. Go to www.wilburcurtis.com to view the full product warranty information.

CONDITIONS & EXCEPTIONS

The warranty covers original equipment at time of purchase only. The Wilbur Curtis Company, Inc., assumes no responsibility for substitute replacement parts installed on Curtis equipment that have not been purchased from the Wilbur Curtis Company, Inc. The Wilbur Curtis Company will not accept any responsibility if the following conditions are not met. The warranty does not cover and is void under the following circumstances:

- 1) Improper operation of equipment: The equipment must be used for its designed and intended purpose and function.
- 2) Improper installation of equipment: This equipment must be installed by a professional technician and must comply with all local electrical, mechanical and plumbing codes.
- 3) Improper voltage: Equipment must be installed at the voltage stated on the serial plate supplied with this equipment.
- 4) Improper water supply: This includes, but is not limited to, excessive or low water pressure, and inadequate or fluctuating water flow rate.
- 5) Adjustments and cleaning: The resetting of safety thermostats and circuit breakers, programming and temperature adjustments are the responsibility of the equipment owner. The owner is responsible for proper cleaning and regular maintenance of this equipment.
- 6) Damaged in transit: Equipment damaged in transit is the responsibility of the freight company and a claim should be made with the carrier.
- 7) Abuse or neglect (including failure to periodically clean or remove lime accumulations): Manufacturer is not responsible for variation in equipment operation due to excessive lime or local water conditions. The equipment must be maintained according to the manufacturer's recommendations.
- 8) Replacement of items subject to normal use and wear: This shall include, but is not limited to, light bulbs, shear disks, "O" rings, gaskets, silicone tube, canister assemblies, whipper chambers and plates, mixing bowls, agitation assemblies and whipper propellers.
- 9) Repairs and/or Replacements are subject to our decision that the workmanship or parts were faulty and the defects showed up under normal use. All labor shall be performed during regular working hours. Overtime charges are the responsibility of the owner. Charges incurred by delays, waiting time, or operating restrictions that hinder the service technician's ability to perform service is the responsibility of the owner of the equipment. This includes institutional and correctional facilities. The Wilbur Curtis Company will allow up to 100 miles, round trip, per in-warranty service call.

RETURN MERCHANDISE AUTHORIZATION: All claims under this warranty must be submitted to the Wilbur Curtis Company Technical Support Department prior to performing any repair work or return of this equipment to the factory. All returned equipment must be repackaged properly in the original carton. No units will be accepted if they are damaged in transit due to improper packaging. **NO UNITS OR PARTS WILL BE ACCEPTED WITHOUT A RETURN MERCHANDISE AUTHORIZATION (RMA). RMA NUMBER MUST BE MARKED ON THE CARTON OR SHIPPING LABEL.** All in-warranty service calls must be performed by an authorized service agent. Call the Wilbur Curtis Technical Support Department to find an agent near you.



WILBUR CURTIS CO., INC.

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Phone: 800/421-6150 ♦ Fax: 323-837-2410

♦ Technical Support Phone: 800/995-0417 (M-F 5:30A - 4:00P PST) ♦ E-Mail: techsupport@wilburcurtis.com

♦ Web Site: www.wilburcurtis.com

FOR THE LATEST SPECIFICATION INFORMATION GO TO WWW.WILBURCURTIS.COM